

REMARKS

In view of the above amendments and following remarks, Applicant requests favorable reconsideration of the above-identified application.

Claims 17-31 are now pending in this application, with Claim 17 being independent. By this Amendment, Applicant has amended Claims 17, 18, 21-25, 27, 28 and 30. No new matter has been added.

Claims 25 and 28 stand objected to because of informalities. Applicant has amended those claims to attend to the informalities noted in the Office Action.

Claims 17-24 and 29-31 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Publication No. 2003/0169520 (Goldstein).

Claims 25 and 26 stand rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent No. 6,118,527 (Jurca) and U.S. Patent Publication No. 2002/0089652 (Lim). Claim 27 stands rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent No. 4,844,603 (Eitel, et al.). Claim 28 stands rejected under 35 U.S.C. § 103 as being unpatentable over Goldstein in view of U.S. Patent Publication No. 2001/0048514 (Taniguchi). Claims 29-31 stand rejected under 35 U.S.C. § 103 as being unpatentable over U.S. Patent Publication No. 2002/0171818 (Minnaert, et al.) in view of Goldstein.

As recited in independent Claim 17, Applicant's invention is directed to an apparatus comprising a mirror, heat-radiation plate, and a cooler. The radiation plate is arranged so as to face and be spaced away from the reflection surface of the mirror. In addition, the heat-radiation plate is arranged outside a passage area for light to be incident on and reflected from the reflection surface.

Goldstein is directed to a mirror assembly with thermal contour control. In the system described in that patent, a cooling and/or heating element 225 is arranged on the backside of the mirror 100 (far side from the optical surface 210). Thus, the cooling/heating element is not facing and spaced away from a reflection surface.

The Office Action cites Lim as describing a second thermometer configured to measure the temperature of the coolant. The Office Action cites Eitel, et al. as describing a solid heat-transfer element attached to a heat-radiation plate. The Office Action cites Taniguchi as describing a mirror barrel and mirror support. The Office Action cites Minnaert, et al. as describing a substrate, reticle, light source, and projection apparatus. Applicant submits that these documents fail to remedy the deficiencies discussed above with respect to Goldstein.

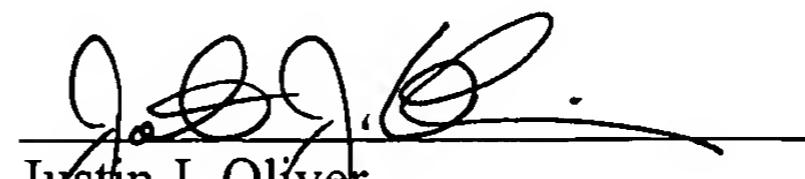
Accordingly, Applicant submits that Goldstein, Lim, Eitel, et al., Taniguchi, and Minnaert, et al., taken alone or in combination, fail to disclose or suggest at least the features of a heat-radiation plate arranged facing and spaced away from a reflection surface of a mirror, and arrange outside a passage area for light to be incident on the reflection surface, as recited in independent Claim 17.

For the foregoing reasons, Applicant requests withdrawal of the rejections under 35 U.S.C. §§ 102 and 103.

Applicant submits that the dependent claims are allowable, in their own right, for defining features of the present invention in addition to those recited above with respect to independent Claim 17. Therefore, Applicant requests individual consideration of the dependent claims.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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